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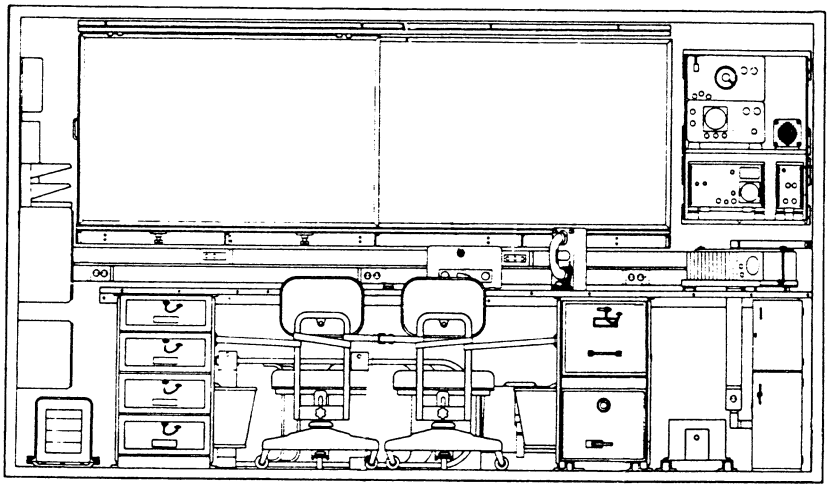


SYSTEM IDENTIFIERS	
NOMENCLATURE:	Operation Center, Communications
SSN:	N/A
LIN:	N20115
NSN:	5895-00-168-1569
AMIM NO:	N/A
EIC:	HMN
FUEL TYPE:	-----

SYSTEM DESCRIPTION

The AN/MSC-31 Communications Operation Center is an air or ground transportable communications center mounted in a S-371 shelter. It is capable of receiving voice, CW, and MCW signals with an AN/GRR-5 radio receiving set and sending/receiving voice transmissions via an AN/VRC-47 radio set. The AN/MSC-31 also provides a telephone switchboard for wire communications.

The list below identifies components associated with this weapon/materiel system.

AN/MSC-31

LIN	NSN	NOMENCLATURE
K94880	5830-00-752-5357	INTERCOMMUNICATION STAT

This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

AN/MSC-31
FY 94 TOTAL ARMY COST SUMMARY
(FY 94 Constant Dollars)

DENSITY

NUMBER OF SYSTEMS	85

DEPOT END ITEM MAINTENANCE (5.061)

TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/END ITEM	$0.00

CLASS III-POL (5.05)

NOT APPLICABLE

DEPOT SECONDARY ITEM MAINTENANCE

TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/SECONDARY ITEM	$0.00

CLASS V-AMMUNITION (2.11)

NOT APPLICABLE

INTERMEDIATE MAINTENANCE

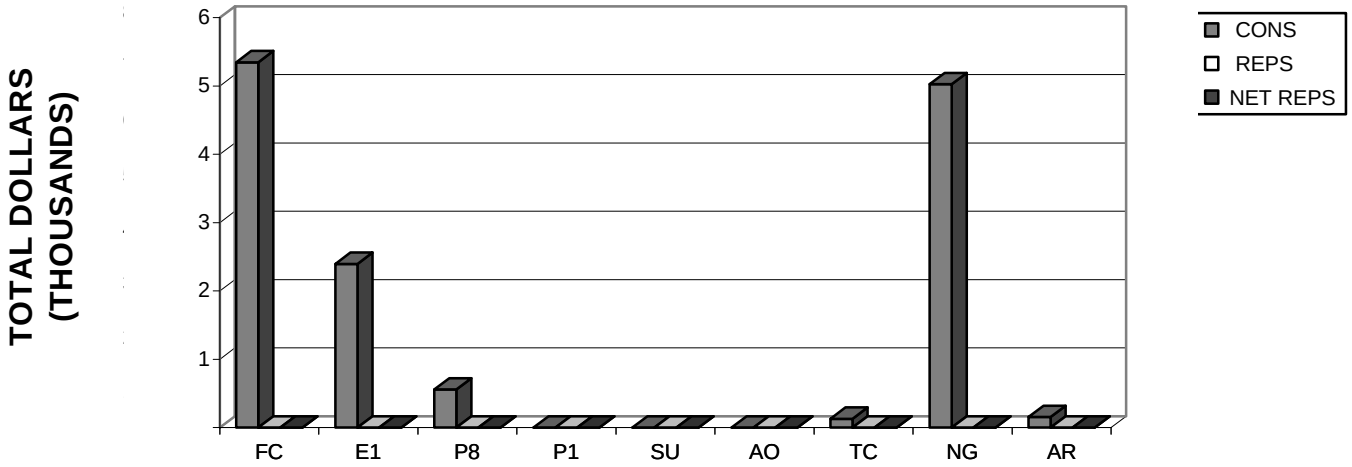
	DS/GS	CIVILIAN
MIL/CIV LABOR COST	$1,196	$57
AVG COST/SYSTEM	$14.07	$0.67
MAINTENANCE MANHOURS	72	4
MMHs/SYSTEM	0.85	0.05

CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 94 DOLLARS	AVG COST PER SYSTEM
CONSUMABLES	$13,612	$160.14
NET REPARABLES	$0	$0.00
NET TOTAL COSTS	$13,612	$160.14

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

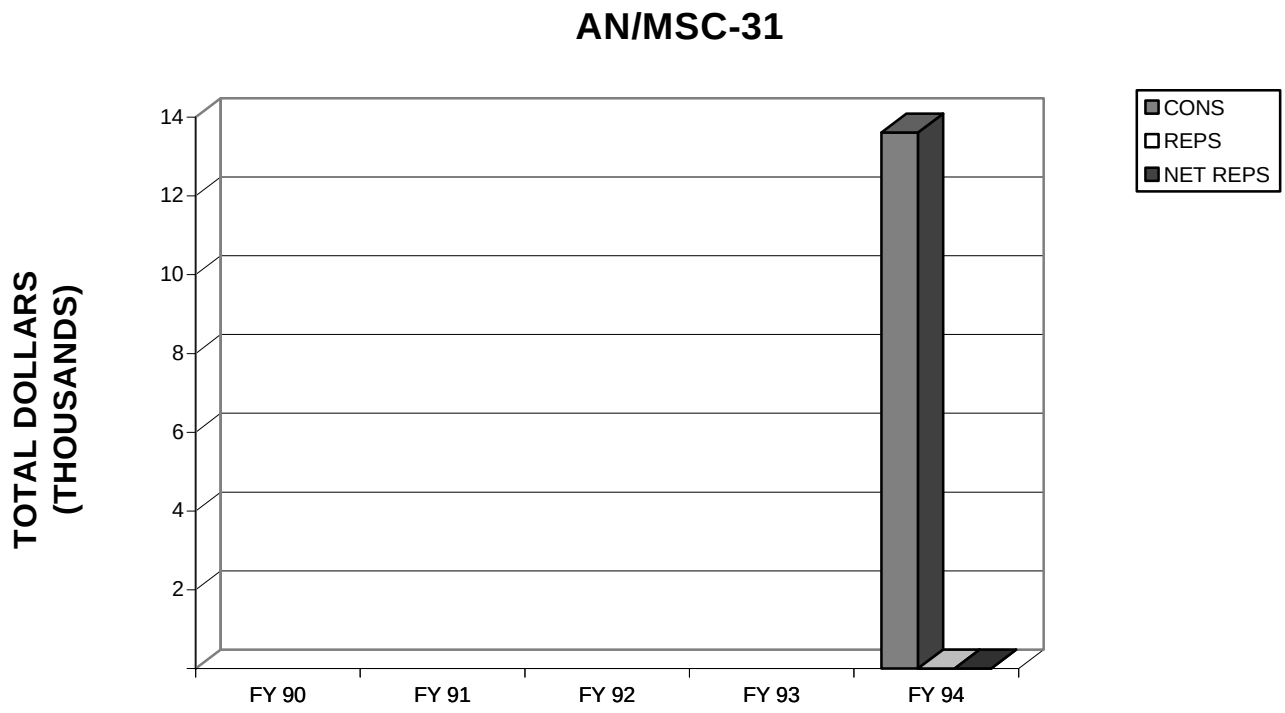
AN/MSC-31



AN/MSC-31
FY 94 MACOM CLASS IX COSTS

MACOM CODE	MACOM NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FC	FORSCOM	5,347	0	0	5,347	15	356
E1	USAREUR	2,395	0	0	2,395	10	240
P8	EUSA	559	0	0	559	2	280
P1	USARPAC	0	0	0	0	0	0
SU	USARSO	0	0	0	0	0	0
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	130	0	0	130	1	130
NG	ARNG	5,025	0	0	5,025	46	109
AR	USAR	156	0	0	156	11	14
TA	TOTAL ARMY	13,612	0	0	13,612	85	160

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.



AN/MSC-31 FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FY 90						
FY 91						
FY 92						
FY 93						
FY 94	13,612	0	0	13,612	85	160

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

AN/MSC-31
FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	SENSORS	0	0	0	0	0	0
02	PROCESSING (ADPE)	0	0	0	0	0	0
03	COMMUNICATIONS	5,130	0	0	5,130	85	60
04	PERIPHERALS	0	0	0	0	0	0
05	ENVIRON SUPPORT	318	0	0	318	85	4
06	APPLICATIONS SFT	0	0	0	0	0	0
07	SYSTEM SOFTWARE	0	0	0	0	0	0
08	INT, ASSY, TEST, C/O	0	0	0	0	0	0
09	OTHER	8,164	0	0	8,164	85	96
	TOTAL	13,612	0	0	13,612	85	160

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/MSC-31
FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

WBS	NAME	FY 90 NET TOTAL COSTS	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS
01	SENSORS					0
02	PROCESSING (ADPE)					0
03	COMMUNICATIONS					5,130
04	PERIPHERALS					0
05	ENVIRON SUPPORT					318
06	APPLICATIONS					0
07	SYSTEM SOFTWARE					0
08	INT, ASSY, TEST, C/O					0
09	OTHER					8,164
	TOTAL					13,612
	NUM OF SYSTEMS					85
	AVG PER SYSTEM					160

AN/MSC-31
TOP 40 COST DRIVERS
CLASS IX CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	6150004951214	LEAD,ELECTRICAL	09	Z		J2200	21.76	145.91
2.	6135009300030	BATTERY, NONRECHARG	09	Z		G22TJ	12.03	257.84
3.	5975002245260	ROD GROUND MX-148/G	03J	Z		Q2200	23.42	83.21
4.	6645004102395	CLOCK,PANEL	09	Z		E2200	19.58	75.19
5.	5999008233262	CONTACT ASSEMBLY ELE	03J	F		G21RH	89.23	8.55
6.	5995001347159	CABLE ASSEMBLY AND	03A	F		G21RF	646.00	1.06
7.	2540008926243	LADDER,VEHICLE BOAR	05C	Z		J2200	113.94	2.80
8.	5935000645732	CONNECTOR RECEPTACLE	03J	Z		G22R1	36.52	8.52
9.	5995001439858	CABLE ASSEMBLY AND	03A	F		G21RF	646.00	0.43
10.	5935005778846	CONNECTOR,PLUG,ELEC	03J	Z		Q2200	203.44	1.26
11.	5995007522566	CABLE ASY	03J	Z		Q22RH	12.48	15.65
12.	6250002992884	STARTER,FLUORESCENT	09	Z		J2200	5.30	25.83
13.	5999010735507	CAP REPLACEMENT KIT	03J	Z		Q22RH	9.17	11.14
14.	5975008743542	HOUSING	03A	Z		Q22RF	53.66	1.88
15.	5365008235273	BUSHING,NONMETALLIC	09	Z		T2200	13.34	5.63
16.	5999008696263	BOOT,DUST AND MOIST	03A	Z		Q22RF	0.38	190.28
17.	5950010286664	TRANSFORMER,POWER	03J	Z		Q2200	30.06	2.30
18.	6250008043449	BALLAST,LAMP	09	Z		J2200	1.72	37.60
19.	5930001461300	SWITCH,ROTARY	03A	Z		Q22RF	35.58	1.70
20.	6130010123614	CIRCUIT BOARD ASSEM	03A	Z		Q22RF	24.36	2.03
21.	6210007548134	DIFFUSER,LIGHT	09	Z		J2200	6.77	7.00
22.	5930000514448	SWITCH,TOGGLE	03J	Z		Q22QE	1.39	31.47
23.	5995007522525	LEAD,ELECTRICAL	03J	Z		Q2200	6.52	6.09
24.	5975008743541	ASSEMBLY	03A	Z		Q22RF	6.77	5.63
25.	6210009498353	LIGHT,INDICATOR	09	Z		J2200	5.47	7.00
26.	5950007059105	TRANSF	03J	Z		Q2200	21.07	1.53
27.	5940009268162	POST,BINDING,ELECTRI	03J	Z		Q2200	1.70	17.17
28.	6625001930636	VOLTMETER	09	Z		Q22SG	48.41	0.48
29.	5925010420109	CIRCUIT BREAKER	03J	Z		Q2200	6.38	1.86
30.	6240006359753	LAMP,GLOW	09	Z		J2200	5.41	1.74
31.	6240001557786	LAMP,INCANDESCENT	09	Z		J2200	0.14	61.67
32.	5935000459832	CONNECTOR,RECEPTACL	03J	Z		G22RL	173.00	0.04
33.	6240001791814	LAMP,GLOW	09	Z		J2200	0.90	5.89
34.	5995008233016	CABLE ASY	03J	Z		Q22RH	10.07	0.50
35.	5940009375237	POST,BINDING	03A	Z		Q22RF	1.70	3.01
36.	5950010286693	TRANSFORMER,AUDIO F	03J	Z		Q2200	25.23	0.21
37.	5930008656101	SWITCH,TOGGLE	03A	Z		Q22RF	3.11	1.29
38.	5935010053579	CONNECTOR,PLUG,ELEC	03J	Z		Q2200	0.96	3.77
39.	5935010123080	CONNECTOR,RECEPTACL	03J	Z		Q2200	1.67	1.53
40.	4210005954085	BRACKET,FIRE EXTING	09	Z		J2200	16.55	0.09

NUMBER OF SYSTEMS	85

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 90-94 FIVE YEAR AVERAGE QTY	FY 90-94 FIVE YEAR AVERAGE EXTENDED COST
3,175	37.35	171.6588		
3,103	36.51	303.3412		
1,949	22.93	97.8941		
1,473	17.33	88.4588		
763	8.98	10.0588		
684	8.05	1.2471		
318	3.74	3.2941		
311	3.66	10.0235		
278	3.27	0.5059		
256	3.01	1.4824		
196	2.31	18.4118		
136	1.60	30.3882		
102	1.20	13.1059		
101	1.19	2.2118		
75	0.88	6.6235		
73	0.86	223.8588		
69	0.81	2.7059		
66	0.78	44.2353		
60	0.71	2.0000		
49	0.58	2.3882		
47	0.55	8.2353		
44	0.52	37.0235		
41	0.48	7.1647		
38	0.45	6.6235		
38	0.45	8.2353		
32	0.38	1.8000		
29	0.34	20.2000		
23	0.27	0.5647		
13	0.15	2.1882		
10	0.12	2.0471		
8	0.09	72.5529		
6	0.07	0.0471		
6	0.07	6.9294		
5	0.06	0.5882		
5	0.06	3.5412		
5	0.06	0.2471		
4	0.05	1.5176		
4	0.05	4.4353		
3	0.04	1.8000		
2	0.02	0.1059		
13,600	99.9%	TOP 40		
12	0.1%	OTHERS		
13,612				

AN/MSC-31
COST DRIVERS
CLASS IX REPARABLES (DLRs)

NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE W/O CREDIT	FY 94 AMDF UNIT PRICE W/CREDIT	FY 94 QTY

NO DATA

EXTENDED COST (W/CREDIT) (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT) PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 90-94 FIVE YEAR AVERAGE QTY	FY 90-94 FIVE YEAR AVERAGE EXTENDED COST (W/CREDIT)

NO DATA

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

AN/MSC-31
FY 94 DEPOT MAINTENANCE COSTS

COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	0	0	0	0	0	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	0	0	0	0	0	0
TRANSPORTATION	0	0	0	0			
OVERHEAD	0	0	0	0	0	0	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0
QTY COMPLETED	0	0	0	0	0	0	0
AVG COST	0	0	0	0	0	0	0

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate ($16.61). CIVILIAN LABOR COSTS are a summation from the source data.

AN/MSC-31
FY 94 INTERMEDIATE MAINTENANCE COSTS

MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	8	133	4	57	14.25
USAREUR	35	581			
EUSA	2	33			
USARPAC	0	0			
USARSO	0	0			
USASOC	0	0			
TRADOC	0	0	0	0	0.00
ARNG	27	448			
USAR	0	0			
TOTAL ARMY	72	1,196	4	57	14.25

*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/MSC-31
FIVE YEAR DEPOT MAINTENANCE COSTS

COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					0					0
MILITARY LABOR					0					0
MATERIEL					0					0
TRANSPORTATION					0					
OVERHEAD					0					0
CONTRACT					0					0
OTHER					0					0
TOTAL					0					0
QTY COMPLETED					0					0
AVG COST					0					0

The table below sumarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/MSC-31
FIVE YEAR INTERMEDIATE MAINTENANCE COSTS

MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					133					57
USAREUR					581					
EUSA					33					
USARPAC					0					
USARSO					0					
USASOC					0					
TRADOC					0					0
ARNG					448					
USAR					0					
TOTAL ARMY					1,196					57
LABOR HRS					72					4
COST PER HR					16.61					14.25

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

AN/MSC-31
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA AVAILABLE					

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

AN/MSC-31
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90 -94 QTY COMPLETED.

AN/MSC-31
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA AVAILABLE					

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

AN/MSC-31
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

CHOOSE A VOLUME FOR MORE SYSTEMS

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